

Jessica Phillips Marcolini

Curriculum Vitae

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Florida Gulf Coast University
College of Arts and Sciences
Department of Integrated Studies
10501 FGCU Blvd., South
Fort Myers, FL 33965

TEACHING AND RESEARCH INTERESTS

- STEM Education
- Faculty/Teacher Professional Development
- Scholarship of Teaching and Learning (SoTL)
- Civic Engagement/Service Learning

TEACHING EXPERIENCE

Florida Gulf Coast University - Ft. Myers, FL

Instructor II (2019- Present)

Instructor I (2014-2019)

Lead virtual, hybrid, and traditional face-to-face courses. Participated in significant curriculum review and development. Supervised interns and teaching assistances.

- University Colloquium – IDS 3920
- Honors University Colloquium – IDS 3920
- Environmental Biology – BSC 1041C
- Honors Reading: Reducing Our Impact – IDH 1930
- Foundations of Civic Engagement – IDS 3300
- DIS: From Hogwarts to FGCU – IDS 4901
- Introduction to Humanities – HUM 1020
- Math and Science Education – ISC 2290

PUBLICATIONS

- Thomas, B., & **Marcolini, J. P.** (Forthcoming 2021). University Colloquium: A sustainable future. In K. Leone, S. Komisar, & E. Everham (Eds.), *Making the Sustainable University* (pp. Pages). Singapore: Springer.
- Otto, E. C., Wohlpert, S., Bevins, B., Bondehagen, D., **Marcolini, J. P.**, Roca, M., Szecsi, T., & Yazici, H. J. (Forthcoming 2021). Infusing sustainability across the curriculum. In K. Leone, S. Komisar, & E. Everham (Eds.), *Making the Sustainable University* (pp. Pages). Singapore: Springer.
- Komisar, S., Abercrombie, M., Chaikin, E., Danley-Thomson, A., Ellsworth, A., & **Marcolini, J. P.** (Forthcoming 2021). Campus as a living laboratory: The built environment. In K. Leone, S. Komisar, & E. Everham (Eds.), *Making the Sustainable University* (pp. Pages). Singapore: Springer.
- Gunnels, C. W., Abercrombie, M., Bovard, B., Croshaw, D. A., Drummond, J., Everham, E. M., Hancock, T., Herman, J., Jackueux, M., Lefevre, K. L., **Marcolini, J. P.**, McConnell, V., Metcalf, M., Sanchez, I., Thomas, S., Walsh-Haney, H., & Voytek, M. (Forthcoming 2021). Campus as a living laboratory: Conservation areas that define a community who ensure their sustainability. In K. Leone, S. Komisar, & E. Everham (Eds.), *Making the Sustainable University* (pp. Pages). Singapore: Springer.
- Marcolini, J. P.** & Cooper, S. J. (2019). Engaging science instruction using stories. In Brandl, R., Cobbs, G., & Shores, M. (Eds.). (2019). *Proceedings of the 118th annual convention of the School Science and Mathematics Association* (Vol. 6). Salt Lake City, UT: SSMA.
- Snapp, H., Leone, K., Weatherford, E., & **Marcolini, J. P.** (2019). Dividing Sustainability Resources into Manageable Portion Sizes. In R. Pun & G. L. Shaffer (Eds.), *The Sustainable Library's Cookbook* (pp. 73-75). Atlanta, GA: American Library Association.
- Marcolini, J. P.** (2017). Professional Book Review [Review of the book *Curricula for sustainability in higher education*, by J. P. Davim]. *Journal of Ethnic and Cultural Studies*, 4(2), 102-104.
- Weaver, J., **Phillips, J.**, Gaines, M., Xue, R., & Bequette, J. (2013) *Analysis of Anastasia Mosquito Control District's Service Requests*. Wing Beats: Florida Mosquito Control Association, 24(4). 34-39.
- Xue, R., Qualls, W., **Phillips, J.**, & Zhao, T. (2012) *Insecticidal Activity of Five Commercial Mosquito Coils Against Anopheles albimanus, Aedes albopictus, and Culex quinquefasciatus*. *Journal of the American Mosquito Control Association*, 28(2). 131-133.

PRESENTATIONS (*invited talks)

- Marcolini, J. P.** (2020, January). Using community audits to move students to action. Southwest Florida Symposium on Teaching and Learning, Ft. Myers, FL.
- *Marcolini, J. P.** & Walch, M. (2020, January). *Ecological communication: assessing student perceptions of water issues*. Presented at the 29th Annual Southwest Florida Water Resources Conference, Ft. Myers, FL.
- Marcolini, J. P.,** & Cooper, S. J. (2019, November). *Engaging K-10 students in STEM learning through stories at a literacy festival*. Paper presented at the School Science and Mathematics Association Annual Conference, Salt Lake City, UT.
- Marcolini, J. P.,** Skaza-Acosta, H., & Cooper S. J. (2019, October). *Mangrove Mania: Using 5E lessons to teach STEM in your classroom*. Presented at the Florida Association of Science Teachers Annual Conference, St. Augustine, FL.
- *Marcolini, J. P.** & Walch, M. (2019, October). *Communicating water issues: Messaging by students for students*. Presented at the FGCU Whitaker Center for STEM Education STEMinar, Ft. Myers, FL.
- Marcolini, J. P.,** Skaza-Acosta, H., & Everham, E. (2019, October). *Engage, explore, explain, elaborate, and evaluate: Using the 5E model to teach STEM*. Presented at the 6th Annual Environmental Education Alliance of SW Florida Conference, Naples, FL.
- Marcolini, J. P.** & Weatherford, E. (2019, September). *Learning can be magical: Using Harry Potter to engage first-year students*. Presented at the Association for General and Liberal Studies Conference, Orlando, FL.
- Marcolini, J. P.** & Jackson, S. B. (2018, October). *Using games to teach biodiversity*. Poster presented at the North American Association for Environmental Education (NAEE) Conference, Spokane, WA.
- Marcolini, J. P.** & Ryals, J. M. (2018, October). *What makes a strong town? Sustainable communities through walking audits*. Poster presented at the NAEE Conference, Spokane, WA.
- Marcolini, J. P.** & Gunnels, C. (2018, October). *Choice vs. prescribed: Advantages and challenges of different approaches to service-learning*. Presented at the 5th Annual Environmental Education Alliance of SW Florida Conference, Naples, FL.
- Sacco, K., Sciancalepore, S., **Marcolini, J. P.,** Marts, M., Hancock, T. (2018, October). *Students teaching students: An educational best practice that works outside, too!*. Presented at the 5th Annual Environmental Education Alliance of SW Florida Conference, Naples, FL.
- Bovard, B., Everham, E., Abercrombie, M. I., Frost, L., Herman, J., Komisar, S., Lefevre, K. Leone, K., Macdonald, J. H., **Phillips, J.,** Thomas, S., & Voytek, M. (2018, March). *Cross-curricular integration of the FGCU campus as a learning laboratory*. Presented at the Charlotte Harbor National Estuary Program's Watershed Summit, Punta Gorda, FL.
- Marcolini, J. P.** (2018, January). *Values on the line: Starting the discussion and critical thinking process*. Presented at the Southwest Florida Symposium on Teaching and Learning, Ft. Myers, FL.
- Bacalzo, D., Rhea, J., **Phillips, J.,** Giambo, D., & Terepka, S. (2018, January). *Service-learning as critical thinking*. Round table discussion at the Lucas Center Teaching and Learning Symposium, Ft. Myers, FL.
- Marcolini, J. P.** (2017, June). *Students' perceptions of choice versus prescribed service-learning projects*. Presented at the Lilly Conference – Evidence-Based Teaching and Learning, Bethesda, MD.
- Phillips, J.** (2016, October). *Enhancing student engagement in course-based service learning*. Poster presented at the Lilly Conference – Evidence-Based Teaching and Learning, Traverse City, MI.
- Phillips, J.** (2016, September). *Biodiversity Jenga: Using games in the classroom*. Presented at the Lucas Center Teaching and Learning Symposium, Ft. Myers, FL.
- Phillips, J.** (2016, September). *Weigh The Waste: Utilizing service learning to engage students in sustainability*. Poster presented at the Lucas Center Teaching and Learning Symposium, Ft. Myers, FL.

- Phillips, J. & Leone, K.** (2016, April). *A sustainable future through curriculum innovation*. Presented at the Smart and Sustainable Campuses Conference, Baltimore, MD.
- Phillips, J.** (2015, March). *Weigh the Waste: One Class, One Project – Service learning in higher education*. Presented at the League of Environmental Educators in Florida Spring Mini Conference, Venus, FL.
- Phillips, J.** (2012, March). *Review of Anastasia Mosquito Control District's education program*. Presented at the Annual Arbovirus Surveillance and Mosquito Control Workshop, St. Augustine, FL.
- Phillips, J.** (2011, November). *Evaluation of two truck-mounted ULV machines with Aqualure sprayed against caged mosquitoes*. Presented at the Florida Mosquito Control Association Conference, Jacksonville, FL.
- Phillips, J.** (2010, October). *Students empowering students: FGCU Campus Naturalist Program*. Presented at the North American Association for Environmental Education Conference, Buffalo, NY.
- Phillips, J.** (2010, October). *Taking a walk on the wild side: Campus trail survey*. Poster presented at the North American Association for Environmental Education Conference, Buffalo, NY.

GRANTS

- Innovative Assignment Design Grant \$500 – Taking action in the community: FGCU Scholars (Fall 2020)
- Travel Grant \$500: FGCU Lucas Center for Faculty Development (Fall 2019)
- Communities in Transition \$6,500: FGCU Office of Undergraduate Scholarship (Summer 2019)
- Community Challenge Grant \$7,800: American Association of Retired Persons (2017)
- Innovative Assignment Design Grant \$500 - Sustainable development modules: FGCU Scholars (Spring 2017)
- Student Associates for a Greener Environment (SAGE) \$500 Grant- Dominican Republic Outreach Program (DROP) community mural: FGCU Center for Environmental and Sustainability Education (CESE) (Spring 2017)
- Innovative Assignment Design \$1000 Grant - Sustainable development modules: FGCU Scholars (Fall 2016)
- Innovative Assignment Design \$1000 Grant- Weigh the Waste Project: FGCU Scholars (Spring 2016)
- SAGE \$500 Grant- DROP sustainable playground: FGCU CESE (Spring 2016)
- Professional Development Grant \$750: FGCU Faculty Senate (Fall 2015)
- Travel Grant \$250: FGCU Lucas Center for Faculty Development (Spring 2015)
- Ernest F. Hollings Scholarship \$19,000: National Oceanic and Atmospheric Administration (2006-2008)

AWARDS & HONORS

- School Science and Mathematics John Park Travel Award (Fall 2019)
- William B. Stapp Travel Scholarship: North American Association for Environmental Education (Fall 2018)
- “High Quality” rating for IDS3920-CRN 80378: Quality Matters e-Learning Tracking System (Fall 2017)
- STARS Excellence in Advancing Academic Sustainability: FGCU Environmental Health and Safety (Fall 2017)
- Commitment to Service Award: FGCU Office of Service-Learning and Civic Engagement (Spring 2017)
- Outstanding Service Organization of the Year Award: FGCU Dean of Students (Spring 2016)

EDUCATION

Florida Gulf Coast University - Ft. Myers, FL

Ed.D, Curriculum and Instruction, Doctoral Candidate - Anticipated 2021

Research: Influence of STEM K-12 teacher professional development on teacher efficacy

M.S., Environmental Sciences, 2010

Thesis: *Analyzing the Effectiveness of a University-Level Environmental Sustainability Course at Developing Students' Ecological Perspectives*

B.A., Environmental Studies, Cum Laude, 2008

Minors: Education and Interdisciplinary Studies

RELATED EXPERIENCE

Environmental Specialist II (2012-2014) FL Dept. of Health Div. of Environmental Public Health

- Investigated educational facilities for compliance with county rules and regulations
- Educated facilities and staff of county rules and regulations

Education Specialist (2011-2012) Anastasia Mosquito Control District of St. Johns County

- Managed educational program resources and personnel
- Distributed innovative outreach through social media, collaborative marketing and traditional channels
- Managed and lead employee, intern and volunteer orientations and training programs
- Analyzed program effectiveness in achieving educational objectives

Environmental Education Specialist (2010-2011) FL Dept. of Environmental Protection

- Created, coordinated and analyzed formal and informal outreach and educational programs
- Coordinated teacher workshops in environmental science, conservation and water quality

Student Naturalist (2009-2010) Florida Gulf Coast University

- Trained on the identification of flora and fauna located in Southwest Florida
- Lead educational tours of Corkscrew Swamp Sanctuary, Matanzas Pass Preserve and FGCU nature trails

Resource Educator (2008-2010) Aquatic System Mosquito Education Program

- Assisted in the creation and instruction of formal K-12 curriculum
- Assisted in community outreach and fundraising initiative which raised \$22,000 to support public awareness of mosquito vectored malaria.

Instructor (2004-2005) Everglades Youth Conservation Camp

- Facilitated field-based environmental education to engage students in interdisciplinary learning

PROFESSIONAL DEVELOPMENT

Florida Consortium Learning Assistance Workshop: Learning Assistance Alliance (November 2018)

Quantitative Text Analysis for Social Scientist Webinar: SAGE by Nicole Rae Baerg (September 2018)

Professional Skills in Sustainability Webinar: The Association for Advancement of Sustainability in Higher Education's (AASHE) (September 2018)

Using Campus and Community as Sustainability Living Learning Labs: AASHE Greenville SC (June 2018)

Symposium on Scholarly Engagement: FGCU College of Education (April 2018)

Creating the Future Today Conference: Streets Alive of Southwest Florida Ft. Myers FL (April 2018)

Vision Zero and Safe Routes to School Webinar: Partners in Safety (November 2017)

The 2017 Environmental Education Alliance of Southwest Florida Conference (October 2017)

STEM Professional Academy to Reinvigorate the Culture of Teaching: FGCU Whitaker Center (2016-17)

Sustainability Chautauqua: FGCU Fort Myers FL (September 2016)

Integrating Sustainability Across the Curriculum (ISAC): FGCU (Summer 2016)

Community Engaged Scholarship Symposium: FGCU Lucas Center for Faculty Development (February 2016)

Student Engagement and Persistence Conference: FGCU Lucas Center for Faculty Development (January 2016)

Faculty Book Club: FGCU Lucas Center for Faculty Development (Fall 2015)

Sustainable Communities Workshop: Sarasota FL (November 2015)

The Environmental Education Alliance of Southwest Florida Conference: Naples FL (October 2015)

Energypath Conference: Scranton PA (July 2015)

Publish and Flourish: Text and Academic Authors Writing Workshop (February 2015)

Early Career Academy: FGCU Lucas Center for Faculty Development (Spring 2015)

Environmental Education Mini Conference: League of Environmental Educators St. Marks FL (September 2014)

Faculty Book Club - Teaching With Your Mouth Shut: FGCU Lucas Center for Faculty Development (Fall 2014)

New Faculty Academy: FGCU Lucas Center for Faculty Development (Fall 2014)

UNIVERSITY SERVICE

Integrating Sustainability Across the Curriculum (ISAC) Academy Committee: Chair (2018- present)

FGCU Undergraduate Studies Student Affairs: Committee: Member (August 2017-present)

University Colloquium Advisory Council: Provost Appointed Member (2015-present)

FGCU and Chartwells Food Advisory: Committee Member (2016-2019)

Environmental Coalition of FGCU (ECOFGCU): Faculty Advisor (2015-2019)

FGCU College of Education Website and Social Media Specialist Search Committee: Member (Fall 2018)

ECOFGCU Fourth Annual Student Leadership Retreat: Co-organizer and Facilitator (September 2018)

FGCU University Colloquium Instructor Search Committee: Member (2018)

ECOFGCU Third Annual Student Leadership Retreat: Co-organizer and Facilitator (September 2017)

FGCU ISAC Academy Steering Committee: Member (2017-2018)

FGCU Student Naturalist Training: Facilitator (April 2017)

University Colloquium Orientation: Facilitator, "Discussions and Final Projects" (February 2017)

FGCU Innovative Assignment Design Grant Faculty Panel Discussion: Panel Member (January 2017)

ECOFGCU Second Annual Student Leadership Retreat: Co-organizer and Facilitator (January 2017)

FGCU Student Naturalist Training: Co-facilitator (November 2016)

Dominican Republic Outreach Program (DROP): Faculty Co-advisor (2015-2017)

ECOFGCU Inaugural Student Leadership Retreat: Co-organizer and Facilitator (Fall 2015)

Task Force: College-level English Language Writing Skills (CLWS): Member (Summer 2015)

Dining Contract Nutrition and Sustainability Subcommittee: Member (Spring 2015)

FGCU Earth Day Tree Campus USA: Volunteer (April 2015)

FGCU Girls Educational & Mentoring Services (GEMS): Workshop Instructor (April 2015)

FGCU Natural Trails Clean-up: Faculty Volunteer (February 2015)

COMMUNITY SERVICE

Streets Alive of Southwest Florida – non-profit: Vice President and Chair (July 2017-Present)

Estero Bay Buddies: Estuary tour guide (May 2018)

Documentary Screening: Just Eat It (November 2016)

Estero Bay Buddies: Volunteer kayak tour guide (November 2015)

Corkscrew Regional Ecosystems Water (CREW): Volunteer (Spring 2015-Fall 2016)

Happehatchee Center: Volunteer (Spring 2015-Fall 2016)